

REMARKS

Claims 13 to 23 are pending in this application. Applicants thank the Examiner for allowing all claims 13 to 21 and 23.

The Drawings were objected to under 37 C.F.R. 1.83(a) for not showing every feature of the invention specified in the claims. Specifically, the Office Action indicates that the “modulating step” in claim 19 and the “circuit arrangement” in claim 22 should be shown in the Drawings. Accordingly, Applicants have amended Fig. 6 and added new Fig 8 (and previous new Fig. 7 as well) to ensure that those features are shown in the Drawings. Support for the new Figs. can be found throughout the Specification and the claims (Fig. 6 is supported at least by claims 13 and 19; Fig. 8 is supported at least by claim 22).

The Specification was objected to for not including all Figs. in the Brief Description of the Drawings. Accordingly, the Specification has been amended to include all Figs. in the Brief Description of the Drawings, and to include any amendments to Fig. 6 and a description for new Fig. 8.

No new matter has been added to the Drawings or to the Specification. Accordingly, Applicants respectfully submit that the Drawings (Figs. 1 through 8) and the Specification, as amended, now properly show exemplary illustrations of the various features in the claims. Applicants respectfully request withdrawal of the objections to the Drawings and the Specification, and that the above-identified application be allowed.

Claim 22 was objected to for not being completely represented in the Drawings. Accordingly, Applicants have modified the Drawings – specifically, added Fig. 8 – to show features of claim 22. No new matter has been added to the Drawings (or the claims). Accordingly, Applicants respectfully submit that claim 22 is allowable in light of the new Fig. 8; and withdrawal of the objection is requested.

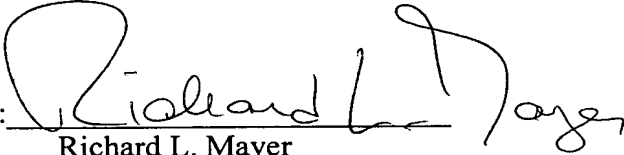
Accordingly, Applicants respectfully submit that the Claims, Specification and Drawings, as amended, are in condition for allowance.

CONCLUSION

In view of all of the above, it is believed that the objections to the Drawings, the Specification, and the Claims have been obviated, and that the Drawings, the Specification and the Claims, are now in a condition for allowance. It is therefore respectfully requested that the objections (and/or any rejections) be withdrawn, and that the present application issue as early as possible.

Respectfully submitted,

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AMENDMENTS TO THE DRAWINGS:

The attached sheets of drawings include changes to Fig. 6. The new sheet of Fig. 6 replaces the original sheet of Fig. 6.

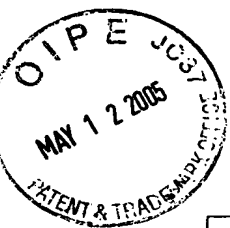
New drawing Fig. 8 is submitted herewith.

Attachment(s):Replacement Sheet (Fig. 6)

Annotated Sheet Showing Changes (Fig. 6)

Sheet of New Drawings (Fig. 8)

[ANNOTATED SHEET]



Coding each of the at least one message using a respective orthogonal function so as to form a transmission signal, each respective orthogonal function being an approximation of a respective Hermite function

30

~~Modulating the transmission signal into higher frequency domains~~ 31

Performing a Fourier transform on a received signal

~~31~~ 32

Decoding the Fourier transformed received signal using the respective orthogonal function so as to obtain the at least one message

~~32~~ 33

~~(Modulating the transmission signal into higher frequency domains~~

33

FIG. 6